AEE, YSTSD
SBR No: 19/20-21
Date: 22/5/2020

P.W.G. 17 | 1st and part Bill | Original/Duplicate/Triplicate

# CONTRACT CERTIFICATE

Reference paras 158 & 170

NO

Division Yelahanka | Sub division Yelahanka New Town | Date

YNK-DBR No. 13
Date 30.05.2020

Bills received No | Sub-divisional | Cash book vr No

Sheduled Docket No | Divisional | Date

Head of account P-3749

Name of work(as per sanctioned estimate) :-

**NAME OF WORK :Construction of RCC drain at Anugraha layout, Muniswamappa Layout, Sai Nagar-2 And Surrounding Area in ward no:03, Yelahanka Satellite TownSub Division**

**Work Code:003-20-000069**

Name of contractor and full address :-

**M/s Techinical Manager (West), KRIDL, Bangalore, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam circle Bangalore-560010**

Reference to agreement No :- EE/YNK.D/AG/172/2019-2020

**Estimated cost : 175.00**

Work order No :BBMP/EE/YNK.D/W.O/186/2019-2020, dt:08/11/2019

Certified that the measurments were taken by me on 6.2.2020 and recorded on pages 493413 to 493414/2 of measurment book No 4935/2019-2020 and the work is satisfactorily executed by the contractor.

Signature of contractor

Asst. Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Asst. Engineer 6.2.2020

Certified that the measurments were taken by me on 06/02/2020 and recorded correct.The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Sub-divisional officer

## II MEMORANDUM OF PAYMENT

| | | |
|---|---|---|
| 1) Total value of work done or supplies as per A/c within | | |
| 2) Deduct amount to be held in reserve being-----percent Rs----------% | | |
| 3) Balance | Total | 1,05,16,092=00 |
| **4) Deduct payments** | | |
| a) Amount of previous payment as in divisional/sub divisional Cash book vr No----------dated----------3 D No----------Amount adjusted towards cash advance recovery of | | |
| b) Cost of payments/stores or other materials supplied now made recovery of | | |
| Amount paid on this bill by cheque/cash | | |
| Total | | |
| | FSD | 525805=00 |
| | CONST | 93894=00 |
| | SCONST | 93894=00 |
| | IT | 210322=00 |
| | LC | 105160=00 |
| | CBF | 10516=00 |
| | LR | 58540=00 |
| 5) Balance being unpaid value of work done held in reserve | | |
| 6) Deduct cash of advance made on divisional/sub divisional cash book | | |
| 7) Net amount due to or from contractor | | |
| **UN ADJUSTED ITEMS** | | |
| 8) Advance to contractor for materials to site(as detailed within) | TD | 1098131=00 |
| 9) Value of government materials supplied | | |
| **TOTAL AMOUNT UN-ADJUSTED** | CH | 9417961=00 |

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Dated Signature of contractor

paid by me cheque No dated

Cash Rs
Date

Initials of officer making payment

Reciept Stamp

Audited & Admitted for Rs. 1,05,16,092=00
(Rupees one Crore five Lakh Sixteen thund Zero Ninety two only.)
by Cheque Rs. 94,17,961=00
and Rs. 10,98,131=00 by adjustment

Date

Executive Engineer
Exe. Engineer
Yelahanka Division
BBMP

## BRUHAT BANGALORE MAHANAGAR PALIKE

**Name of Work: Construction of RCC Drains and Culverts at Anugraha layout, Muniswamappa layout and Sai Nagar-2 And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division**

### ABSTRACT

| Sl No | Description of Work | Unit | Previous Measurement | | Present Measurement | | | Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Amount | Qty | Rate in Rs. | Amount | Qty | Amount |
| 1 | KSRRB300-1. Earthwork Excavation by manual means for roads, Drains and similar works in ordinary soil excavated surface levelled and neatly dressed. | Cum | – | – | 1314.65 | 211.79 | 278430.00 | 1314.65 | 278430.00 |
| 2 | KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation. | Cum | – | – | 210.61 | 4479.56 | 943440.00 | 210.61 | 943440.00 |
| 3 | KSRRB M2200-6. Providing bars Fe 500 steel reinforcement for RCC work includuing straightning, cutting, bending, hooking, placing in position , lapping and/or welding whereever required. | Tonne | – | – | 22.83 | 72326.98 | 1651228.00 | 22.83 | 1651225.00 |
| 4 | Providing and laying plain/reinforced cement concrete for side drain wall and bottom thickness 15cm using M20 nominal mix concrete with OPC @ 300 kgs. With 20mm and down size granite metal coarse aggregates complete as per specifications. | Cum | – | – | 384.25 | 7070.20 | 2716724.00 | 384.25 | 2716724.00 |
| 5 | providing and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways. | Sqm | – | – | 1044.27 | 2337.00 | 2440459.00 | 1044.27 | 2440459.00 |
| 6 | Provoding and laying Precast Drain cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm & downsize with steel reinforcement complete as per specification. | Sqm | – | – | | 5418.00 | | 0.00 | 0.00 |
| 7 | Providining & fixing precaste solid concrete kerb stones of size 450X200X400mm maid out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. | Nos | – | – | 2107.00 | 477.00 | 1005220.00 | 2107.00 | 1005220.00 |
| 8 | KSRRB 800-1 Painting two coats after filling surface with synthetic enamel paint in approved shades on new plastered concrete surface with materials, labour complete as per specifications. | Sqm | – | – | 356.60 | 84.80 | 30238.00 | 356.60 | 30238.00 |
| 9 | KSRRB M300-14. Excavation for road work in all type of soil by mechanical means including cutting loading to tippers trimming bottom and side slopes in accordance with requirment of lines and cross sections and transportation with a lead of 1.00 km and complete as per specification. | Cum | – | – | | 57.03 | | | |
| 10 | KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occcuring during rolling including cost of all labour, HOM complete as per specifications. | Sqm | – | – | | 6.36 | | | |
| 11 | construction of granular sub-base grading-v as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite material, mixing by mix in place method by rotavator at OMC spreading in uniform layers with motor grader on prepared surface and compactioning with vibratory power roller to achieve the 98% proctor density, complete as per specification. | Cum | – | – | | 1855.00 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 12 | KSRRB M400-17. Providing, Laying, Spreading and Compacting cushed stone aggregates of granite/ trap/basalt to wet ,ix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification. | Cum | - | - | | 2001.28 | | | |
| 13 | KSRRB M500-6Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. clause 502 of MORTH V revision. | Sqm | - | - | | 33.92 | | | |
| 14 | KSRRB 500--11 Providing and laying bituminous macadam using 40/60 TPH Capacity H.M.P. with Mechanical paver Gr-II(50mm to75mm) with 3.4% VG-30 Bitumenon prepared surface with crushed coarse aggregates as per desing mix formula for base/ binding coarse including loading of aggregates with F.E> loader, hot Mixing of stone aggregates and bitumen in hot mix plant,transporting the mixed materials in tippers to paver and laying mixed materials with paver finisher to the required and grade complete as per specifications. | Cum | - | - | | 5962.50 | | | |
| 15 | KSRRB 500--10 Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per Sqm on the existing prepared bituminous surface cleaned with mechanical broom, complete as per specifications. | Sqm | - | - | | 12.72 | | | |
| 16 | providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bitumen(60/70 grade) and 0.43% of plastomeric thermoplastics ( waste plastic) crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site laying with a paver finisher to required grade level and allignment rooling with smooth wheeled vibratory and tandem rollers to achive the desired compaction in all respects complete as per specifications | Cum | - | - | | 8699.42 | | | |
| 17 | KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous surface / concrete surface : providing and laying of hot applied thermo plastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 standards specified.complete as per specifications. | Sqm | - | - | | 454.74 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 18 | KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer | Nos | – | – | | 357.22 | | | |
| 19 | Directions and place indentification signs with size morethan 0.9 size board: providing and erecting directions and place identification retro- reflectorised sign as per IRC :67 made of high intensity grade sheeting vide clause 801.3 fixed over aluminium sheeting 2mm thick with area not exceeding 0.9 sqm supported on a mild steel single angel iron post 75X75X6 mm 2 Nos. firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45X45X60 cm, 60 cm below ground level as per approved drawing. | Sqm | – | – | | 7557.80 | | | |
| | | **Total** | | | | | | **9065597.00** | **9065597.00** |
| | | **12% GST** | | | | | | **1087872.00** | **1087872.00** |
| | | **4% KRIDL** | | | | | | **362624.00** | **362624.00** |
| | | **Grand Total** | | | | | | **10516092.00** | **10516092.00** |

Asst.Engineer
Assistant Engineer / Testing Division,
KRIDL, BBMP, Bangalore

**CERTIFICATE**

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Assistant Engineer

6.2.2020

Karnataka Road Materials Test House Pvt. Ltd. ★ Bangalore ★ KMC

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Executive Engineer

6/2/2020